

Converting Colors

$Yxy(37.0662, 0.2642, 0.3359)$

Have a look what the booklet for
Yxy(37.0662, 0.2642, 0.3359)
contains.

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Color

Yxy(36.9152, 0.2643, 0.3351)

Conversions

Conversions Part 1

| Format | Color |
|-------------|------------------------------|
| Hex | 6EAFAB |
| RGB | 110, 175, 171 |
| RGB Percent | 43%, 69%, 67% |
| CMY | 0.5685, 0.3137, 0.3293 |
| CMYK | 0.37, 0.00, 0.02, 0.31 |
| HSL | 176°, 29%, 56% |
| HSV | 176°, 37%, 69% |
| XYZ | 29.1157, 36.9152, 44.1308 |
| YIQ | 155.1090, -37.4560, -15.0240 |

Conversions

Conversions Part 2

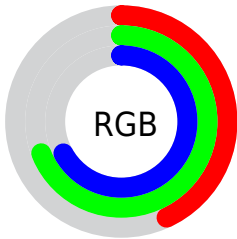
| Format | Color |
|-------------------------------------|---|
| RYB | 110, 144, 175 |
| Decimal | 7253931 |
| CIELab | 67.21, -21.62, -4.54 |
| CIELCh | 67, 22.095, 191.853 |
| Yxy | 36.9152, 0.2643, 0.3351 |
| Android (android.graphics.Color) | 4285444011 (0xFF6EAFAB) |
| YUV | 155.1090, 7.8343, -39.5606 |
| Hunter-Lab | 60.7579, -20.7874, -0.5341 |

Details

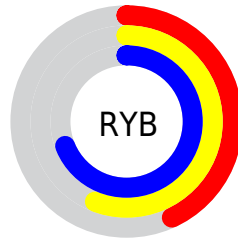
The Yxy color **36.9152, 0.2643, 0.3351** is a dark color, and the websafe version is hex **669999**. A complement of this color would be **21.4876, 0.3956, 0.3233**, and the grayscale version is **32.8106, 0.3127, 0.3290**.

A 20% lighter version of the original color is **70.5353, 0.2735, 0.3348**, and **16.1208, 0.2494, 0.3356** is the 20% darker color. If you saturate the color by 10%, you get **35.8618, 0.2542, 0.3370**, and if you desaturate by 10%, it is **38.1936, 0.2759, 0.3333**.

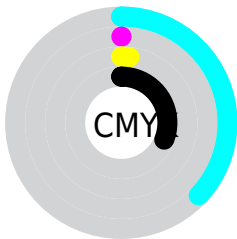
Distribution



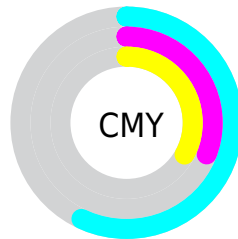
- Red (43%)
- Green (69%)
- Blue (67%)



- Red (43%)
- Yellow (56%)
- Blue (69%)



- Cyan (37%)
- Magenta (0%)
- Yellow (2%)
- Black (31%)





- Cyan (57%)
- Magenta (31%)
- Yellow (33%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 36.9152, 0.2643, 0.3351 changes by changing the brightness by 10 percent. The first figure shows a shift by +10% for each color and the second figure -10%.


Similar to the brightness gradients but the following saturation gradients show a change of the Yxy color 36.9152, 0.2643, 0.3351 by changing the saturation by 10% instead.


 36.9152, 0.2643,
0.3351


 36.9152, 0.2643,
0.3351


332.9432, 0.2892,
0.3323


 25.1418, 0.2579,
0.3357


 70.4423, 0.2735,
0.3341

 16.1828, 0.2495,
0.3364


 92.9649, 0.2769,
0.3338

 9.6536, 0.2382,
0.3373


 119.8394, 0.2798,
0.3334

 5.1699, 0.2220,
0.3382

 151.4500, 0.2822,
0.3331

 2.3473, 0.1971,
0.3389

188.1814, 0.2843,
0.3329

 0.7986, 0.1035,
0.3575

230.4178, 0.2861,

 0.0000, 0.0000,

0.3327

0.0000

278.5436, 0.2877,
0.3325

■ 36.9152, 0.2643,
0.3351

■ 36.9152, 0.2643,
0.3351

■ 35.8618, 0.2542,
0.3370

■ 38.1936, 0.2759,
0.3333

■ 35.0158, 0.2457,
0.3390

■ 39.7045, 0.2887,
0.3316

■ 34.3643, 0.2391,
0.3410


■ 41.4607, 0.3025,
0.3300


■ 33.8908, 0.2344,
0.3430

■ 43.4725, 0.3169,
0.3286


■ 33.5763, 0.2315,
0.3450


■ 45.7499, 0.3317,
0.3273


 33.3931, 0.2302,
0.3470

 48.3021, 0.3467,
0.3262

 33.3494, 0.2299,
0.3476

 51.1380, 0.3616,
0.3252

 54.2661, 0.3762,
0.3243

 55.2402, 0.3796,
0.3233

Harmonies

Analogous

The Analogous color harmony consists of three colors that are next to each other on the color wheel.



36.9152, 0.2902, 0.3659



36.9152, 0.2643, 0.3351



36.9152, 0.2513, 0.3043

Triad

The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



36.9152, 0.2643, 0.3351



36.9152, 0.2995, 0.2793



36.9152, 0.3750, 0.3726

Complementary

The Complementary color scheme is a pair of colors which are on the opposite of each other on the color wheel.



36.9152, 0.2643, 0.3351



21.4876, 0.3956, 0.3233

Split Complementary

Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



36.9152, 0.3784, 0.3480



36.9152, 0.2643, 0.3351



36.9152, 0.3335, 0.2958

Square

The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



36.9152, 0.2643, 0.3351



36.9152, 0.2707, 0.2743



36.9152, 0.3629, 0.3203



36.9152, 0.3543, 0.3873

Rectangle

The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



36.9152, 0.2643, 0.3351



36.9152, 0.2511, 0.2886



36.9152, 0.3629, 0.3203



36.9152, 0.3782, 0.3652

Sweetspot

The Sweet Spot groups the original color and five complimentary colors.



36.9167, 0.2643, 0.3351



72.9248, 0.2968, 0.3307



35.3867, 0.3111, 0.4380



16.1155, 0.2950, 0.3309



89.0005, 0.3127, 0.3290



17.0645, 0.3127, 0.3290

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



36.9167, 0.2643, 0.3351



64.4623, 0.2554, 0.3367



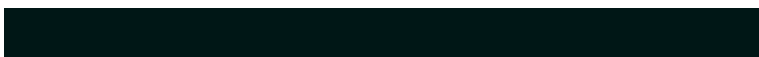
27.2316, 0.2552, 0.2827



9.0635, 0.2994, 0.3304



23.8873, 0.2298, 0.3474



0.6670, 0.2281, 0.3413

Inverse Universe

The Inverse Universe completely reimagines the original color for something new.



21.4876, 0.3956, 0.3233



32.5855, 0.4257, 0.3221



28.4698, 0.3857, 0.3708



8.0230, 0.3277, 0.3277



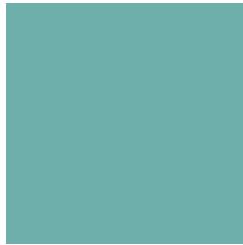
6.5470, 0.6319, 0.3255



0.1846, 0.5983, 0.3070

Previews

White Background



This preview shows how the Yxy color 36.9152, 0.2643, 0.3351 looks on a white background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the Yxy color 36.9152, 0.2643, 0.3351 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

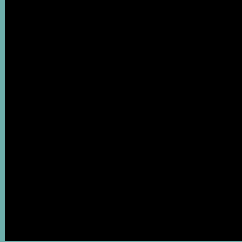
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 36.9152, 0.2643, 0.3351

Background



This preview shows how black text looks on a background with the Yxy color 36.9152, 0.2643, 0.3351.



This preview shows how white text looks on a background with the Yxy color 36.9152, 0.2643, 0.3351.

Color Blindness Simulation

Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy



Original Color

36.9152, 0.2643, 0.3351

Protanopia

36.4843, 0.3147, 0.3276

Deuteranopia

36.4331, 0.3119, 0.3055



Tritanopia

37.0524, 0.2562, 0.3076

Trichromacy



Original Color

36.9152, 0.2643, 0.3351

Protanomaly

36.4103, 0.2939, 0.3304

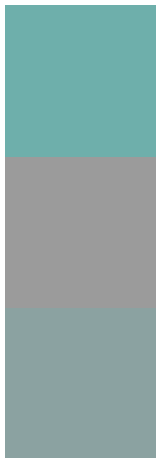
Deuteranomaly

36.0909, 0.2917, 0.3143

Tritanomaly

37.1190, 0.2595, 0.3181

Monochromacy



Original Color

36.9152, 0.2643, 0.3351

Achromatopsia

32.7778, 0.3127, 0.3290

Achromatomaly

33.9028, 0.2924, 0.3305

CSS Examples

Text

The CSS property to change the color of the text to Yxy 36.9152, 0.2643, 0.3351 is called "color". The color property can be set on classes, ids or directly on the HTML element.

This example shows how text in the color `rgb(110, 175, 171)` looks like.

```
.text, #text, p{  
    color:rgb(110, 175, 171)  
}
```

If you want to add a text shadow in that color use the text-shadow property, you can generate a text shadow directly with our [CSS Text Shadow Generator](#).

Here you see how black text with a 4 pixel rgb(110, 175, 171) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(110, 175, 171) }
```

Border

The CSS property to change the border of an element to Yxy 36.9152, 0.2643, 0.3351 is called "border". The border property can be set on classes, ids or directly on the HTML element.

This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(110, 175, 171) }
```

If only the border color should be changed use the property `border-color`.

```
.border{ border-color:rgb(110, 175, 171) }
```

If you want to add a box shadow in that color use:

Here you see how a box with a 4 pixel `rgb(110, 175, 171)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(110, 175, 171); -webkit-box-  
shadow:4px 4px 4px 4px rgb(110, 175, 171);  
box-shadow:4px 4px 4px 4px rgb(110, 175,  
171) }
```


Background

The CSS property to change the background color of an element to Yxy 36.9152, 0.2643, 0.3351 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(110, 175, 171) }
```

If only the background color should be changed can be used:

```
.background{ background-color: rgb(110,  
175, 171) }
```

This example shows the color as background, it is applied via the CSS property "background".

To optimize and compress your CSS code, you can use our [online CSS compressor and optimizer](#) based on csstidy. If you want to create a linear or radial gradient as background or border, check our [CSS Gradient Generator](#).

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